

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-254823

(43)Date of publication of application : 25.09.1998

(51)Int.Cl.

G06F 13/362

(21)Application number : 09-079129

(71)Applicant : RICOH CO LTD

(22)Date of filing : 14.03.1997

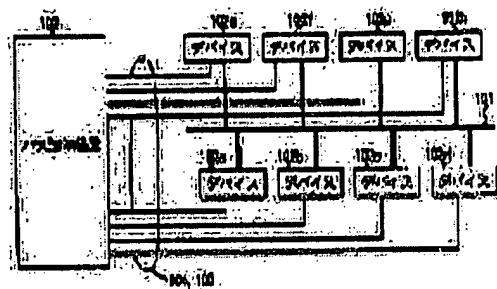
(72)Inventor : YOSHIKAWA TAKASHI

(54) BUS ARBITRATION DEVICE

(57)Abstract:

PROBLEM TO BE SOLVED: To flexibly cope with the case of equally giving a bus using right to any device and the case of giving priority in the acquiring of the bus using right to a specific device by avoiding the delay of a response to the bus using request by the successive inspection of the bus using request in a circulating priority order system.

SOLUTION: Plural devices 102a to 102h are connected to one bus 101 to receive a bus using request signal 104 from the devices 102a to 102h. When a bus using request signal 104 is outputted from the plural devices 102a to 102h, a bus arbitration device 103 executing bus arbitration giving the bus using right permitting the access of the bus 101 stores a variable weighting value, which becomes different value at each device 102a to 102h executing a bus using request and varies the value each time of bus arbitration, to arbitrate this variable weighting value as the priority of the bus using right.



LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's

[Kind of final disposal of application other than
the examiner's decision of rejection or
application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's
decision of rejection]

[Date of requesting appeal against examiner's
decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office